

The Mathematical Intelligencer Index

Authors

- Abramowicz, Marek A.** See Lewandowski, Jerzy, Nurowski, Pawel, and Abramowicz, Marek A. (3) 3.
- Adams, Colin.** Into Thin Air. (1) 21–22.
- Adams, Colin.** Research Announcement. (2) 26–27.
- Adams, Colin.** The Pepsi Putnam Challenge. (3) 37–38.
- Adams, Colin.** The S.S. Riemann. (4) 41–42.
- Andriychenko, Oleksiy, and Chamberland, Marc.** Iterated Strings and Cellular Automata. (4) 33–36.
- Apostol, Tom M.** Ode to Andrew Wiles, KBE. (4) 36.
- Appel, Kenneth.** Review of *The Four-Color Theorem*, translated by Julie Peschke, by Rudolf and Gerba Fritsch. (1) 73–74.
- Arrowsmith, David.** Review of *Dynamical Systems and Numerical Analysis*, by A.M. Stuart and A.R. Humphries. (1) 72–73.
- Artmann, B.** A Geometrically Decorated Renaissance Box. (2) 41.
- Artmann, Benno.** Conceptual Magic Square. (3) 4.
- Ash, Marshall.** Review of *A Panorama of Harmonic Analysis*, by Steven Krantz. (4) 75–77.
- Bainville, Eric, and Genevès, Bernard.** Constructions using Conics. (3) 60–72.
- Bennett, Curtis D.** A Paradoxical View of Escher's Angels and Devils. (3) 39–46.
- Berezin, Alexander A.** Future of Mathematical Literature. (3) 3–4.
- Berndt, Bruce.** Review of *Special Functions*, by George F. Andrews, Richard Askey, and Ranjan Roy. (1) 74–76.
- Blest, David C.** Unfair Dice. (4) 3.
- Boas, Harold P., and Khavinson, Dmitry.** Vita: Friedrich Wilhelm Wiener. (2) 73–75.
- Borwein, Peter.** Review of *My Brain is Open: The Mathematical Journeys of Paul Erdős*, by Bruce Schechter. (2) 72–77.
- Bruning, John, Cantrell, Andy, Longhurst, Robert, Schwalbe, Dan, and Wagon, Stan.** Rhapsody in White. (4) 37–40.
- Cantrell, Andy.** See Bruning, John, Cantrell, Andy, Longhurst, Robert, Schwalbe, Dan, and Wagon, Stan. (4) 37–40.
- Chakerian, Don.** Numeracy with Mathematics. (1) 6.
- Chamberland, Marc.** See Andriychenko, Oleksiy, and Chamberland, Marc. (4) 33–36.
- Cohen, Marion.** Review of *What is Mathematics, Really?*, by Reuben Hersh. (1) 70–72.
- Cohen, Michael P.** More Mathematics in its Place. (1) 5.
- Conn Henry, Richard.** Review of *The Applicability of Mathematics as a Philosophical Problem*, by Mark Steiner. (2) 77–79.
- Dewdney, A.K.** The Planiverse Project: Then and Now. (1) 46–51.
- Diacu, Florin.** A Century-Long Loop. (2) 19–25.
- Domenicano, Aldo, and Hargittai, István.** Alphabetic Magic Square in a Medieval Church. (1) 52–53.
- Domoradzki, Stanislaw, and Pawlikowska-Brozek, Zofia.** Vilnius between the Wars. (4) 47–50.
- Eastwood, Michael, and Penrose, Roger.** Drawing with Complex Numbers. (4) 8–13.
- Erickson, Martin.** Review of *Proofs and Confirmations: the Story of the Alternating Sign Matrix Conjecture*, by David M. Bressoud. (4) 71–72.
- Ewell, John A.** Counting Lattice Points on Spheres. (4) 51–53.
- Fasanelli, Florence, and Wilson, Robin.** Renaissance Art. (1) 80.
- Fasanelli, Florence, and Wilson, Robin.** Mathematics and Art II: Albrecht Dürer. (2) 80.
- Fasanelli, Florence, and Wilson, Robin.** Mathematics and Art III. (3) 80.
- Fomin, Sergey, and Zelevinsky, Andrei.** Total Positivity: Tests and Parametrizations. (1) 23–33.
- Gauthier, Napoléon.** Parsing a Magic Square. (4) 4.
- Genevès, Bernard.** See Bainville, Eric, and Genevès, Bernard. (3) 60–72.
- Gilmore, Robert.** Review of *Physics from Fisher Information*, by B. Roy Frieden. (4) 72–74.
- Golland, Louise, and Sigmund, Karl.** Exact Thought in a Demented Time: Karl Menger and his Viennese Mathematical Colloquium. (1) 34–45.
- Graham, Loren.** Do Mathematical Equations Display Social Attributes? (3) 31–36.
- Gray, Jeremy.** Goursat, Pringsheim, Walsh, and the Cauchy Integral Theorem. (4) 60–66, 77.
- Grinshpan, Arcadii Z., Ismail, Mourad E.H., and Milligan, David L.** Complete Monotonicity and Diesel Fuel Spray. (2) 43–53.
- Gyllenberg, Mats, and Sigmund, Karl.** The Fibonacci Chimney. (4) 46.
- Hargittai, István.** See Domenicano, Aldo, and Hargittai, István. (1) 52–53.
- Hertrich-Jeromin, Udo.** The Surfaces Capable of Division into Infinitesimal Squares by their Curves of Curvature: A nonstandard-analysis approach to classical differential geometry. (2) 54–61.
- Hill, Denys A.** Chaotic Chaos. (3) 5.
- Holbrook, John, and Kim, Sung Soo.** Bertrand's Paradox Revisited. (4) 16–19.
- Holland, Samuel S.** My Years as a Full-Time Industrial Mathematician. (2) 4–8.
- Holmes, Neville.** The Numerical Dysfunction. (1) 7–11.
- Ismail, Mourad E.H.** See Grinshpan, Arcadii Z., Ismail, Mourad E.H., and Milligan, David L. (2) 43–53.
- Ivanov, Nikolai V.** A Topologist's View of the Dunford-Schwartz Proof of the Brouwer Fixed-Point Theorem. (3) 55–57.
- Johngard, Karin.** Impoverishment, Feminization, and Glass Ceilings: Women in Mathematics in Russia. (4) 20–32.
- Kalajdzievski, Sasho.** Some Evident Summation Formulas. (3) 47–49.
- Kaye, Richard.** Minesweeper is NP-complete. (2) 9–15.
- Khavinson, Dmitry.** See Boas, Harold P., and Khavinson, Dmitry. (2) 73–75.
- Kim, Sung Soo.** See Holbrook, John, and Kim, Sung Soo. (4) 16–19.
- Kjeldsen, Tinne Hoff.** The Emergence of Nonlinear Programming: Interac-

The Mathematical Intelligencer Index

Authors

- Abramowicz, Marek A.** See Lewandowski, Jerzy, Nurowski, Pawel, and Abramowicz, Marek A. (3) 3.
- Adams, Colin.** Into Thin Air. (1) 21–22.
- Adams, Colin.** Research Announcement. (2) 26–27.
- Adams, Colin.** The Pepsi Putnam Challenge. (3) 37–38.
- Adams, Colin.** The S.S. Riemann. (4) 41–42.
- Andriychenko, Oleksiy, and Chamberland, Marc.** Iterated Strings and Cellular Automata. (4) 33–36.
- Apostol, Tom M.** Ode to Andrew Wiles, KBE. (4) 36.
- Appel, Kenneth.** Review of *The Four-Color Theorem*, translated by Julie Peschke, by Rudolf and Gerba Fritsch. (1) 73–74.
- Arrowsmith, David.** Review of *Dynamical Systems and Numerical Analysis*, by A.M. Stuart and A.R. Humphries. (1) 72–73.
- Artmann, B.** A Geometrically Decorated Renaissance Box. (2) 41.
- Artmann, Benno.** Conceptual Magic Square. (3) 4.
- Ash, Marshall.** Review of *A Panorama of Harmonic Analysis*, by Steven Krantz. (4) 75–77.
- Bainville, Eric, and Genevès, Bernard.** Constructions using Conics. (3) 60–72.
- Bennett, Curtis D.** A Paradoxical View of Escher's Angels and Devils. (3) 39–46.
- Berezin, Alexander A.** Future of Mathematical Literature. (3) 3–4.
- Berndt, Bruce.** Review of *Special Functions*, by George F. Andrews, Richard Askey, and Ranjan Roy. (1) 74–76.
- Blest, David C.** Unfair Dice. (4) 3.
- Boas, Harold P., and Khavinson, Dmitry.** Vita: Friedrich Wilhelm Wiener. (2) 73–75.
- Borwein, Peter.** Review of *My Brain is Open: The Mathematical Journeys of Paul Erdős*, by Bruce Schechter. (2) 72–77.
- Bruning, John, Cantrell, Andy, Longhurst, Robert, Schwalbe, Dan, and Wagon, Stan.** Rhapsody in White. (4) 37–40.
- Cantrell, Andy.** See Bruning, John, Cantrell, Andy, Longhurst, Robert, Schwalbe, Dan, and Wagon, Stan. (4) 37–40.
- Chakerian, Don.** Numeracy with Mathematics. (1) 6.
- Chamberland, Marc.** See Andriychenko, Oleksiy, and Chamberland, Marc. (4) 33–36.
- Cohen, Marion.** Review of *What is Mathematics, Really?*, by Reuben Hersh. (1) 70–72.
- Cohen, Michael P.** More Mathematics in its Place. (1) 5.
- Conn Henry, Richard.** Review of *The Applicability of Mathematics as a Philosophical Problem*, by Mark Steiner. (2) 77–79.
- Dewdney, A.K.** The Planiverse Project: Then and Now. (1) 46–51.
- Diacu, Florin.** A Century-Long Loop. (2) 19–25.
- Domenicano, Aldo, and Hargittai, István.** Alphabetic Magic Square in a Medieval Church. (1) 52–53.
- Domoradzki, Stanislaw, and Pawlikowska-Brozek, Zofia.** Vilnius between the Wars. (4) 47–50.
- Eastwood, Michael, and Penrose, Roger.** Drawing with Complex Numbers. (4) 8–13.
- Erickson, Martin.** Review of *Proofs and Confirmations: the Story of the Alternating Sign Matrix Conjecture*, by David M. Bressoud. (4) 71–72.
- Ewell, John A.** Counting Lattice Points on Spheres. (4) 51–53.
- Fasanelli, Florence, and Wilson, Robin.** Renaissance Art. (1) 80.
- Fasanelli, Florence, and Wilson, Robin.** Mathematics and Art II: Albrecht Dürer. (2) 80.
- Fasanelli, Florence, and Wilson, Robin.** Mathematics and Art III. (3) 80.
- Fomin, Sergey, and Zelevinsky, Andrei.** Total Positivity: Tests and Parametrizations. (1) 23–33.
- Gauthier, Napoléon.** Parsing a Magic Square. (4) 4.
- Genevès, Bernard.** See Bainville, Eric, and Genevès, Bernard. (3) 60–72.
- Gilmore, Robert.** Review of *Physics from Fisher Information*, by B. Roy Frieden. (4) 72–74.
- Golland, Louise, and Sigmund, Karl.** Exact Thought in a Demented Time: Karl Menger and his Viennese Mathematical Colloquium. (1) 34–45.
- Graham, Loren.** Do Mathematical Equations Display Social Attributes? (3) 31–36.
- Gray, Jeremy.** Goursat, Pringsheim, Walsh, and the Cauchy Integral Theorem. (4) 60–66, 77.
- Grinshpan, Arcadii Z., Ismail, Mourad E.H., and Milligan, David L.** Complete Monotonicity and Diesel Fuel Spray. (2) 43–53.
- Gyllenberg, Mats, and Sigmund, Karl.** The Fibonacci Chimney. (4) 46.
- Hargittai, István.** See Domenicano, Aldo, and Hargittai, István. (1) 52–53.
- Hertrich-Jeromin, Udo.** The Surfaces Capable of Division into Infinitesimal Squares by their Curves of Curvature: A nonstandard-analysis approach to classical differential geometry. (2) 54–61.
- Hill, Denys A.** Chaotic Chaos. (3) 5.
- Holbrook, John, and Kim, Sung Soo.** Bertrand's Paradox Revisited. (4) 16–19.
- Holland, Samuel S.** My Years as a Full-Time Industrial Mathematician. (2) 4–8.
- Holmes, Neville.** The Numerical Dysfunction. (1) 7–11.
- Ismail, Mourad E.H.** See Grinshpan, Arcadii Z., Ismail, Mourad E.H., and Milligan, David L. (2) 43–53.
- Ivanov, Nikolai V.** A Topologist's View of the Dunford-Schwartz Proof of the Brouwer Fixed-Point Theorem. (3) 55–57.
- Johngard, Karin.** Impoverishment, Feminization, and Glass Ceilings: Women in Mathematics in Russia. (4) 20–32.
- Kalajdzievski, Sasho.** Some Evident Summation Formulas. (3) 47–49.
- Kaye, Richard.** Minesweeper is NP-complete. (2) 9–15.
- Khavinson, Dmitry.** See Boas, Harold P., and Khavinson, Dmitry. (2) 73–75.
- Kim, Sung Soo.** See Holbrook, John, and Kim, Sung Soo. (4) 16–19.
- Kjeldsen, Tinne Hoff.** The Emergence of Nonlinear Programming: Interac-

- tions between Practical Mathematics and Mathematics Proper. (3) 50-54.
- Koblitz, Ann Hibner, and Koblitz, Neal.** The Kovalevskaia Fund. (2) 62-65.
- Koblitz, Neal.** See **Koblitz, Ann Hibner, and Koblitz, Neal.** (2) 62-65.
- Koenderink, Jan. J.**, Review of *Two- and Three- Dimensional Patterns of the Face*, by Peter W. Hallinan, Gaile G. Gordon, A.L. Yuille, P. Giblin, and David Mumford. (3) 74-77.
- Lewandowski, Jerzy, Nurowski, Pawel, and Abramowicz, Marek A.** Erdős Number Updates. (3) 3.
- Lesk, Arthur M.** The Unreasonable Effectiveness of Mathematics in Molecular Biology. (2) 28-37.
- Longhurst, Robert.** See **Bruning, John, Cantrell, Andy, Longhurst, Robert, Schwalbe, Dan, and Wagon, Stan.** (4) 37-40.
- Longuet-Higgins, Michael.** A Fourfold Point of Concurrence Lying on the Euler Line of a Triangle. (1) 55-59.
- Malito, John.** Review of *Mathematical Reflections: In a Room with Many Mirrors*, by Peter Hilton, Derek Holton, and Jean Pederson. (3) 77-78.
- Michaelson, R.** See **Roth, D.L., and Michaelson, R.** (1) 5.
- Milligan, David L.** See **Grinshpan, Arcadii Z., Ismail, Mourad E.H., and Milligan, David L.** (2) 43-53.
- Nordon, Didier.** Ethnographic Report. (4) 43-45.
- Nurowski, Pawel.** See **Lewandowski, Jerzy, Nurowski, Pawel, and Abramowicz, Marek A.** (3) 3.
- Pawlikowska-Brożek, Zofia.** See **Domoradzki, Stanisław, and Pawlikowska-Brożek, Zofia.** (4) 47-50.
- Pekonen, Osmo.** Gerbert of Aurillac: Mathematician and Pope. (4) 67-70.
- Penrose, Roger.** See **Eastwood, Michael and Penrose, Roger.** (4) 8-13.
- Pesic, Peter.** Kepler's Critique of Algebra. (4) 54-59.
- Piegl, Les.** Review of *NURBS: From Projective Geometry to Practical Use*, by Gerald A. Farin. (4) 74-75.
- Polster, Burkard.** Ambigrams. (2) 37.
- Reeken, M.** Response to Reed. (1) 6.
- Remmert, Volker R.** Mathematical Publishing in the Third Reich: Springer-Verlag and the Deutsche Mathematiker-Vereinigung. (3) 22-30.
- Roth, D.L., and Michaelson, R.** Recovered Palimpsests. (1) 5.
- Rowe, David E.** Episodes in the Berlin-Göttingen Rivalry, 1870-1930. (1) 60-69.
- Schwalbe, Dan.** See **Bruning, John, Cantrell, Andy, Longhurst, Robert, Schwalbe, Dan, and Wagon, Stan.** (4) 37-40.
- Sewell, Granville.** A Mathematician's View of Evolution. (4) 5-7.
- Shen, Alexander.** A Cultural Gap Revisited. (2) 16-17.
- Shen, Alexander.** Why Circles? (2) 18.
- Shen, Alexander.** Lights Out. (3) 20-21.
- Shen, Alexander.** Cliques, the Cauchy Inequality, and Information Theory. (4) 14-15.
- Sigmund, Karl.** See **Golland, Louise, and Sigmund, Karl.** (1) 34-45.
- Sigmund, Karl.** See **Gyllenberg, Mats, and Sigmund, Karl.** (4) 46.
- Sonar, Thomas.** The Grave of Henry Briggs. (3) 58-59.
- Stein, Sherman K.** Newton Scooped. (2) 4.
- Stroock, Daniel W.** Doing Analysis by Tossing a Coin. (2) 66-72.
- Thomas, Hartwig, and Williams, Kim.** Fra' Giovanni's Intarsias in Verona. (2) 38-40.
- Tietz, Horst.** German History Experienced: My Studies, My Teachers. (1) 12-20.
- Viana, Marcelo.** What's New on Lorenz Strange Attractors? (3) 6-19.
- Wagon, Stan.** See **Bruning, John, Cantrell, Andy, Longhurst, Robert, Schwalbe, Dan, and Wagon, Stan.** (4) 37-40.
- Williams, Kim.** See **Thomas, Hartwig, and Williams, Kim.** (2) 38-40.
- Wilson, Robin.** See **Fasanelli, Florence, and Wilson, Robin.** (1) 80.
- Wilson, Robin.** See **Fasanelli, Florence, and Wilson, Robin.** (2) 80.
- Wilson, Robin.** See **Fasanelli, Florence, and Wilson, Robin.** (3) 80.
- Wilson, Robin.** Indian Mathematics. (4) 80.
- Zalcman, Lawrence.** Pygmies and their Shadows. (2) 3.
- Zelevinsky, Andrei.** See **Fomin, Sergey, and Zelevinsky, Andrei.** (1) 23-33.

Books Reviewed

- Andrews, George F., Askey, Richard, and Roy, Ranjan.** *Special Functions*. Reviewed by Bruce Berndt. (1) 74-76.
- Askey, Richard.** See **Andrews, George F., Askey, Richard, and Roy, Ranjan.** (1) 74-76.
- Bressoud, David M.** *Proofs and Confirmations: the Story of the Alternating Sign Matrix Conjecture*. Reviewed by Martin Erickson. (4) 71-72.
- Farin, Gerald E.** *NURBS: From Projective Geometry to Practical Use*. Reviewed by Les A. Piegl. (4) 74-75.
- Frieden, B. Roy.** *Physics from Fisher Information*. Reviewed by Robert Gilmore. (4) 72-74.
- Fritsch, Rudolf and Gerba.** *The Four-Color Theorem*. Translated by Julie Peschke. Reviewed by Kenneth Appel. (1) 73-74.
- Giblin, P.** See **Hallinan, Peter W., Gordon, Gaile G., Yuille, A.L., Giblin, P. and Mumford, David.** (3) 74-77.
- Gordon, Gaile G.** See **Hallinan, Peter W., Gordon, Gaile G., Yuille, A.L., Giblin, P. and Mumford, David.** (3) 74-77.
- Hallinan, Peter W., Gordon, Gaile G., Yuille, A.L., Giblin, P. and Mumford, David.** *Two- and Three-Dimensional Patterns of the Face*. Reviewed by Jan J. Koenderink. (3) 74-77.
- Hilton, Peter, Holton, Derek, and Pederson, Jean.** *Mathematical Reflections: In a Room with Many Mirrors*. Reviewed by John Malito. (3) 77-78.
- Holton, Derek.** See **Hilton, Peter, Holton, Derek, and Pederson, Jean.** (3) 77-78.
- Krantz, Steven.** *A Panorama of Harmonic Analysis*. Reviewed by Marshall Ash. (4) 75-77.
- Mumford, David.** See **Hallinan, Peter W., Gordon, Gaile G., Yuille, A.L., Giblin, P. and Mumford, David.** (3) 74-77.
- Hersh, Reuben.** *What is Mathematics, Really?* Reviewed by Marion Cohen. (1) 70-72.
- Humphries, A.R.** See **Stuart, A.M., and Humphries, A.R.** (1) 72-73.
- Pederson, Jean.** See **Hilton, Peter, Holton, Derek, and Pederson, Jean.** (3) 77-78.
- Roy, Ranjan.** See **Andrews, George F., Askey, Richard, and Roy, Ranjan.** (3) 74-76.
- Schechter, Bruce.** *My Brain is Open: The Mathematical Journeys of Paul Erdős*. Reviewed by Peter Borwein. (2) 76-77.
- Steiner, Mark.** *The Applicability of Mathematics as a Philosophical Problem*. Reviewed by Richard Conn Henry. (2) 77-79.
- Stuart, A.M., and Humphries, A.R.** *Dynamical Systems and Numerical Analysis*. Reviewed by David Arrowsmith. (1) 72-73.
- Yuille, A.L.** See **Hallinan, Peter W., Gordon, Gaile G., Yuille, A.L., Giblin, P. and Mumford, David.** (3) 74-77.